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METEOROLOGICAL OBSERVATIONS FOR APRIL, 1840.

Chiswick.—April 1. Slight rain: cloudy. 2. Hazy: very fine. 3. Cold dry haze: frosty at night. 4—6. Very fine. 7. Fine: stormy showers at night. 8. Slight showers. 9. Cloudy and cold. 10—12. Very fine. 13—17. Fine but very dry. 18. Clear, hot and dry. 19. Hazy: very fine. 20. Very fine. 21—23. Cloudy and fine. 24. Very fine. 25. Very hot, nearly cloudless, and excessively dry. 26, 27. Hot and dry. 28. Excessively hot for the period of the season, thermometer 81° in the shade. 29, 30. Very fine: hot and dry. This month is remarkable for the limited quantity of rain and for a high temperature; the latter being the consequence chiefly of a powerful direct solar heat, which overcame likewise the counteracting effects of north and north-east winds, for they were in fact more prevalent than those from the opposite direction.

Boston.—April 1. Cloudy: rain P.M. 2. Rain. 3—5. Fine. 6. Cloudy. 7. Cloudy: stormy with rain P.M. 8. Cloudy: hail and rain P.M. 9—11. Fine. 12. Rain: rain early A.M. 13—19. Fine. 20—24. Cloudy. 25—29. Fine. 30. Cloudy.

Applegarth Manse, Dumfries-shire.—April 1. Mild day with a shower. 2. Keen and cold but dry. 3, 4. Dry and more temperate. 5. Fine day after a very slight shower. 6. Stormy day with showers, though slight. 7. Keen cold day. 8. More moderate. 9. Fine mild day. 10. The same: slightly moist and cloudy. 11. Drizzling all day, but very lightly. 12. Fine though cold: slight rain P.M. 13. Fine soft slight rain. 14. Charming spring day. 15. The same: with frost rime A.M. 16, 17. Fine but coldish: frost rime again. 18. Very fine warm day. 19. The same: white rime A.M. 20. The same: slight showers P.M. 21. The same: gentle shower. 22. The same: moisture. 23. Dry but threatening. 24. The same: cleared up. 25—28. Beautiful day. 29. The same, but cloudy. 30. The same: very warm.

Sun shone out 29 days. Rain, very slight, fell 6 days. Frost, rime 4 days.

Wind north 1 day. North-east $\frac{1}{2}$ day. East-north-east 2 days. East 3 days. East-south-east 1 day. South-east $\frac{1}{2}$ day. South-south-east 2 days. South 7 days. South-south-west 1 day. South-west $7\frac{1}{2}$ days. West-south-west 1 day. West $2\frac{1}{2}$ days. North-west 1 day.

Calm 15 days. Moderate 8 days. Brisk 3 days. Strong breeze 3 days. Boisterous 1 day.

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